

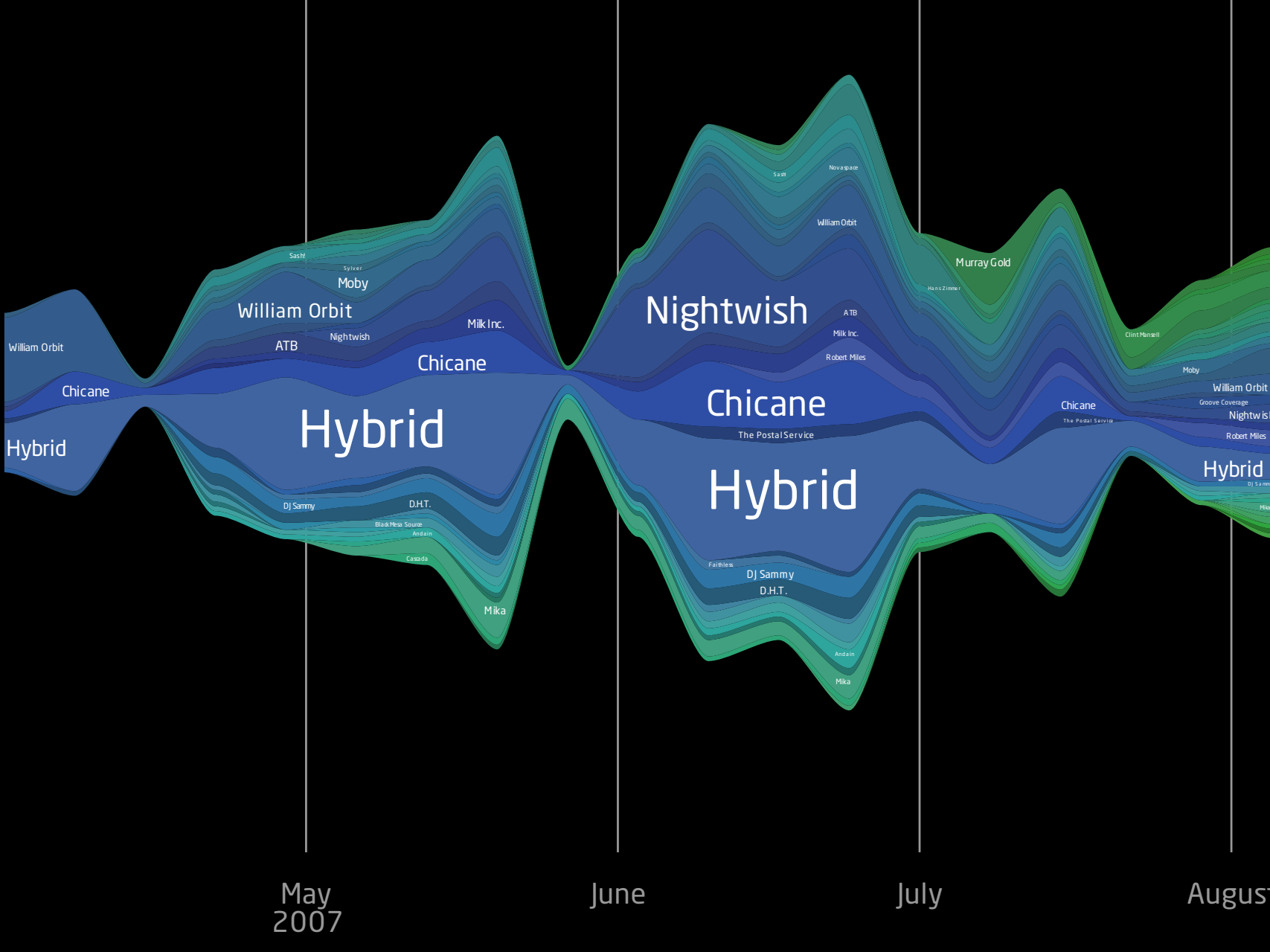
killing servers with music graphing

(or, how I learned to stop worrying
and love the load averages)

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lastgraph

last.fm profile history visualiser



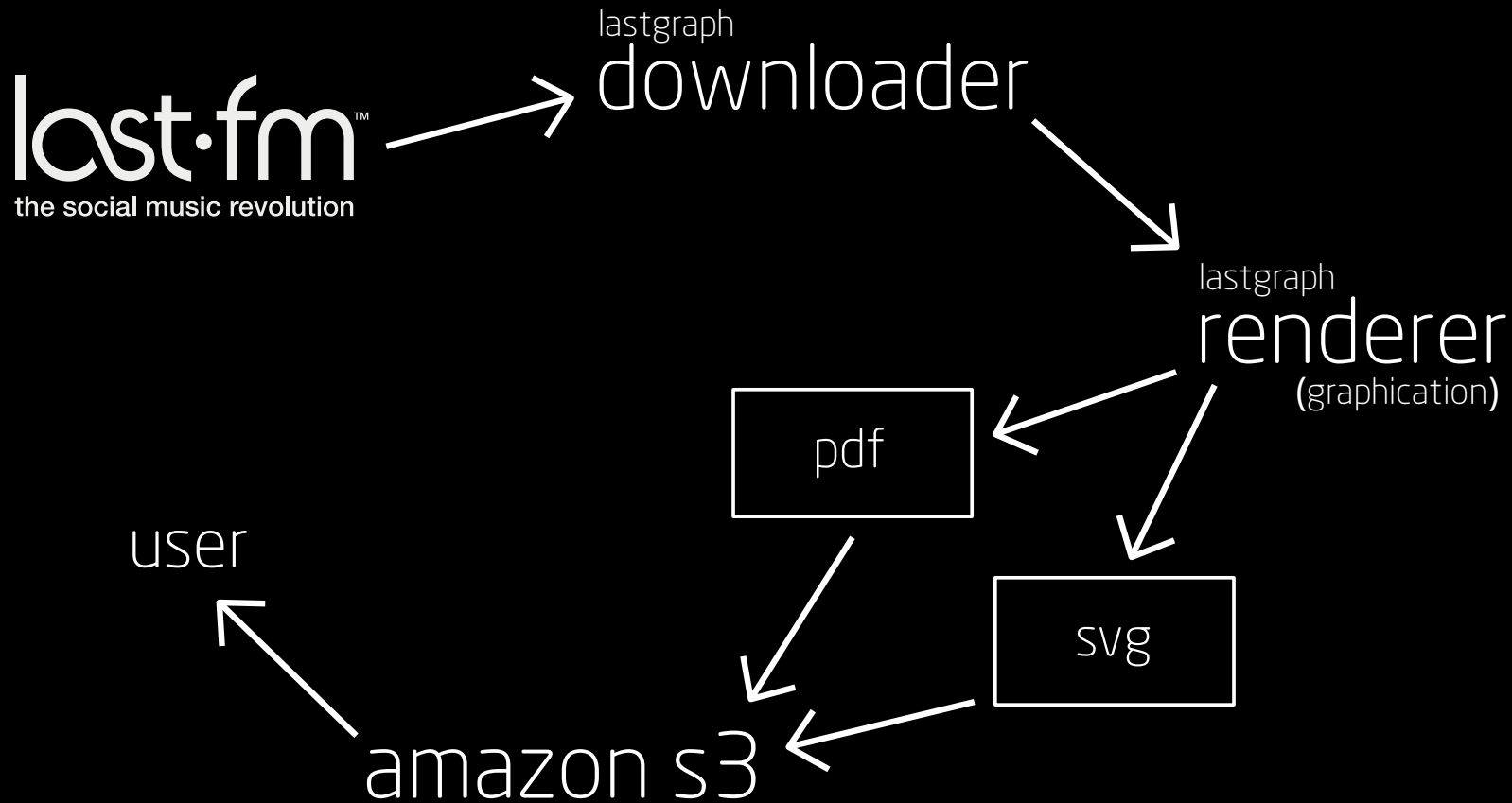
May
2007

June

July

August

how it works



problem #1

- last.fm's API: 1 request per second
- Each user: ~50 requests
- This is fine if you're only getting a user a minute...

Solution?

- Ask them nicely to let you have 10 per second.
- Worry about getting a user every few seconds.

problem #2

- I have live graphing (simpler ones made on the fly)
- This hurts CPUs
- I don't have many CPUs

Solution?

- Get more CPUs

problem #3

- I was using mod_python
- So, a Python interpreter per Apache process
- I don't have that much memory

Solution?

- Use FastCGI. Or buy more memory.

demo

(which may or may not work)

the end

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